

MQAttach

Installation Steps

Version 1.15.0.0 – 1.15.0.6

Disclaimer

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Pre-Requisites

Server

- Windows Server OS (Windows 2003 or higher)
- .NET Framework 3.5 or higher
- SQL Server 2008 R2 or higher (Express or enterprise)
- IIS 6 or higher
- MQ Client 7.1 or higher

Client

- Web Browser
 - IE 8 or higher with compability mode turned off
 - Mozilla
 - Chrome

Download the Binaries

The binaries can be downloaded from our website – using the download page

<http://www.mqattach.com/download/>

Links are provided for reference here

Database Module

<http://www.mqattach.com/download/public/Shared/MQAData.exe>

Server and Windows Service Module (MFT Version)

<http://www.mqattach.com/download/public/MFT/MQAServer.exe>

User Administration Module (Once off for admin users only)

<http://www.mqattach.com/download/public/MFT/MQAAdmin.exe>

User Exits Module

This is a powerful addition to MQA that is for Support Customers only and Provides a host of functionality that can be used for your FTE environment with or without MQAttach

http://www.mqattach.com/download/protected/Docs/FTE_Exits.pdf

Install Procedure

1. Make sure all the pre-requisites are Installed
2. Download the Install Binaries
3. Run the MQADData Install
4. Run the MQAServer Install
5. Configure the Application Pool User/Windows Service User
6. Open the Web Interface and configure the server via the wizard
7. Install MQAAdmin
8. Configure Companies, Departments and Users
9. Reboot the Server
10. Make the Launcher Service Started successfully
11. Login from Any web browser
12. Install Exits on FTE Agents (Support Customers)

Run the MQADData Install

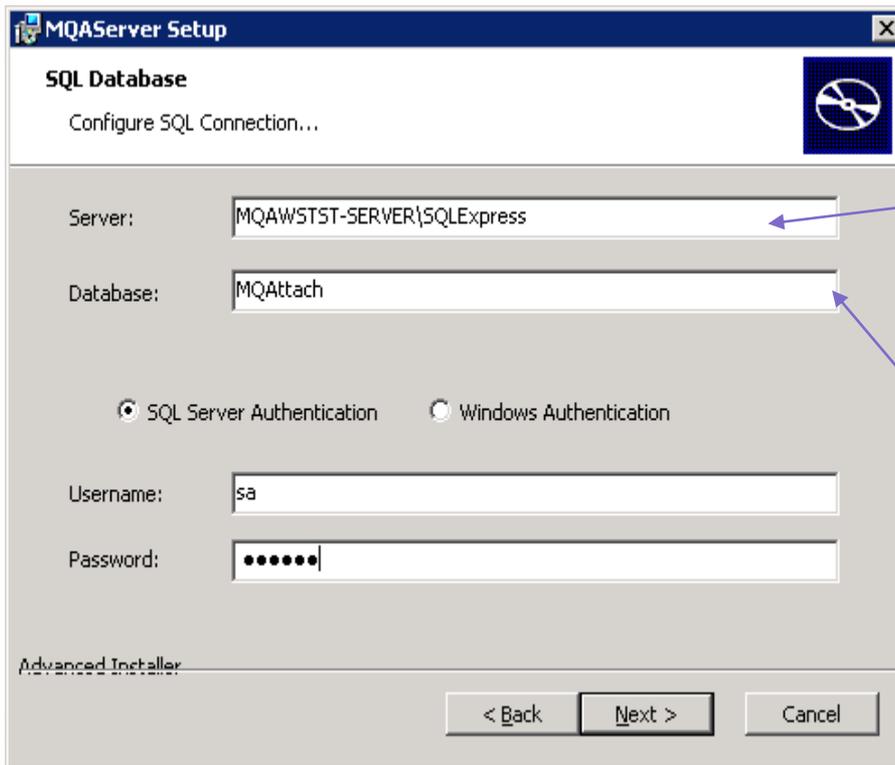
The screenshot shows a 'Run Package' dialog box with the following fields and options:

- Server:** A dropdown menu showing '(local)\SQLEXPRESS'.
- Authentication:** Two radio buttons: 'Windows authentication' (unselected) and 'SQL Server authentication' (selected).
- User name:** A text box containing 'sa'.
- Password:** A text box containing '*****'.
- Database Options:** Two radio buttons: 'Upgrade an existing database' (unselected) and 'Make a database' (selected).
- Database:** A text box containing 'MQAttach'.
- Buttons:** 'More Info...', 'Advanced...', 'Run', and 'Cancel'.

Provide all credentials to access your SQL Environment

This will be the SQL Database Name

Run the MQAServer Install

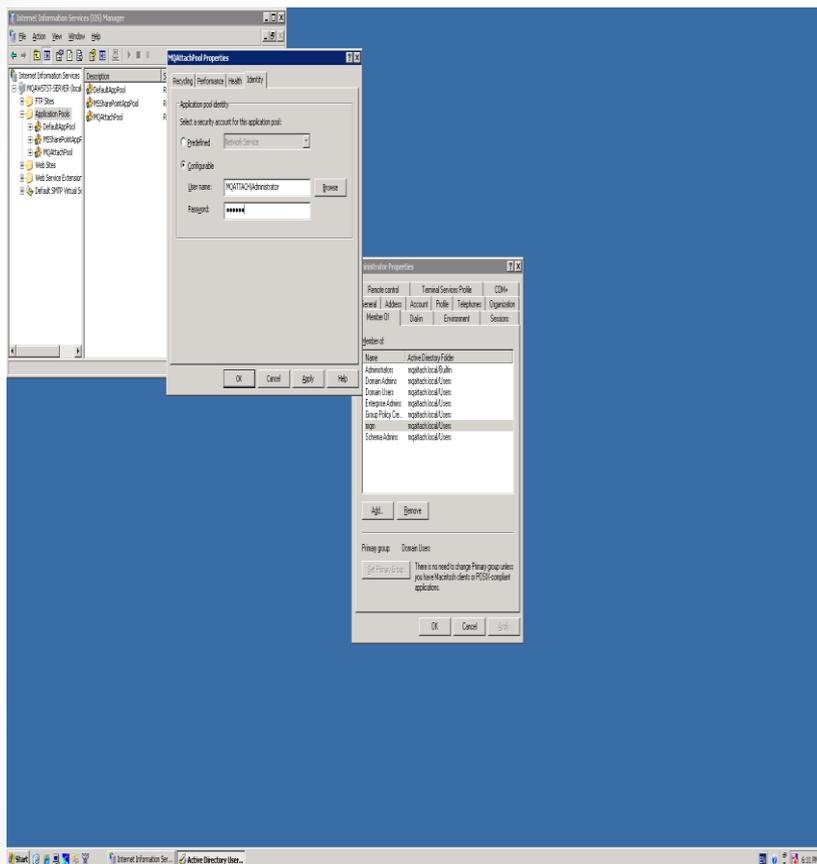


The image shows a screenshot of the 'MQAServer Setup' window, specifically the 'SQL Database' configuration step. The window title is 'MQAServer Setup' and the subtitle is 'SQL Database'. Below the subtitle, it says 'Configure SQL Connection...'. There are two text input fields: 'Server:' with the value 'MQAWSTST-SERVER\SQLEXPRESS' and 'Database:' with the value 'MQAttach'. Below these fields are two radio buttons: 'SQL Server Authentication' (selected) and 'Windows Authentication'. Below the radio buttons are two more text input fields: 'Username:' with the value 'sa' and 'Password:' with a masked password of seven dots. At the bottom of the window, there are three buttons: '< Back', 'Next >', and 'Cancel'. The text 'Advanced Installer' is visible in the bottom left corner of the window.

Provide all credentials to access your SQL Environment
Here be sure to use the hostname of the Host machine (not localhost or similar)

This will be the SQL Database Name

Configure the Application Pool User/Windows Service User



As part of the MQAServer Install –
An web application pool will be created
forUse by the MQAttach Web Application
(MQAttachPool)

This is accessible from the IIS Manager
in Administrative tools – Application Pools

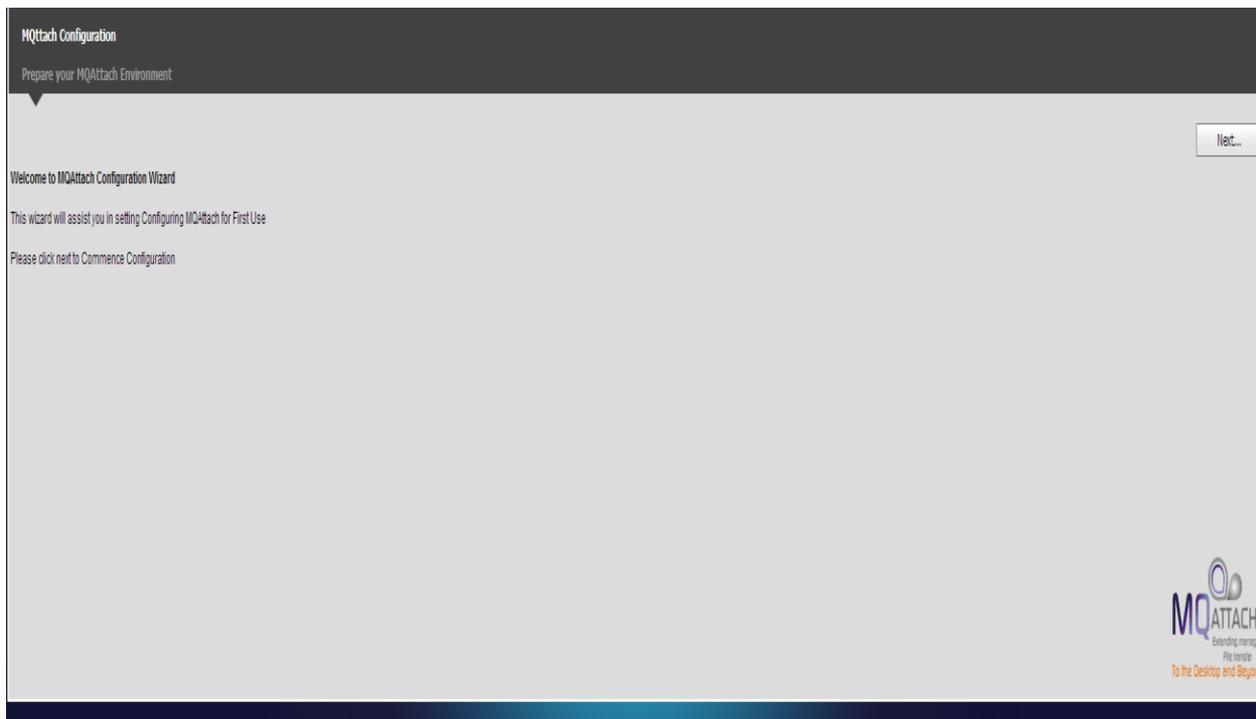
Please set the “Identity” of the pool to a
Local OS User with mqm privledges
And if using a Trusted SQL Connection
Make sure the user has access to the SQL
Database

Also if using a trusted connection
Make sure you sent the LoginUser for the
MQAttach Command Line Service in
Windows Services to a user with
Privledges (services.msc)

Open the Web Interface and configure the server via the wizard

Now it's time to configure the server – on the desktop there should

Be a shortcut to the web interface – click on it to start the wizard





Configure Wizard – Company Details

Provide your company information

MQAttach Configuration
Prepare your MQAttach Environment

Previous.. Next..

Please Provide Registration Information:

Company: MQAttach Demo

Web Site Address: www.mqattach.com

Contact Details:

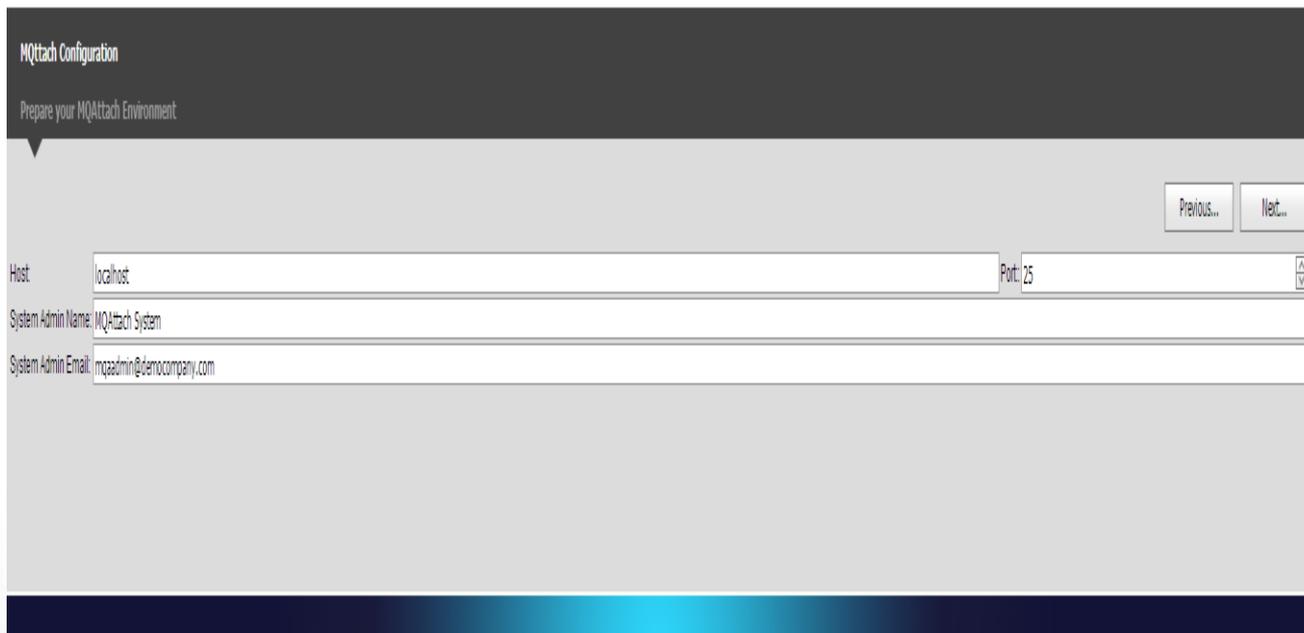
Contact Person: Demo

Contact Number: 555-555-5555

Send Registration Information to MQAttach

Configure Wizard – SMTP Details

Provide your SMTP Settings – This information will be used to send Email Notifications produced by MQAttach aswell as send administrative alerts to the administrator

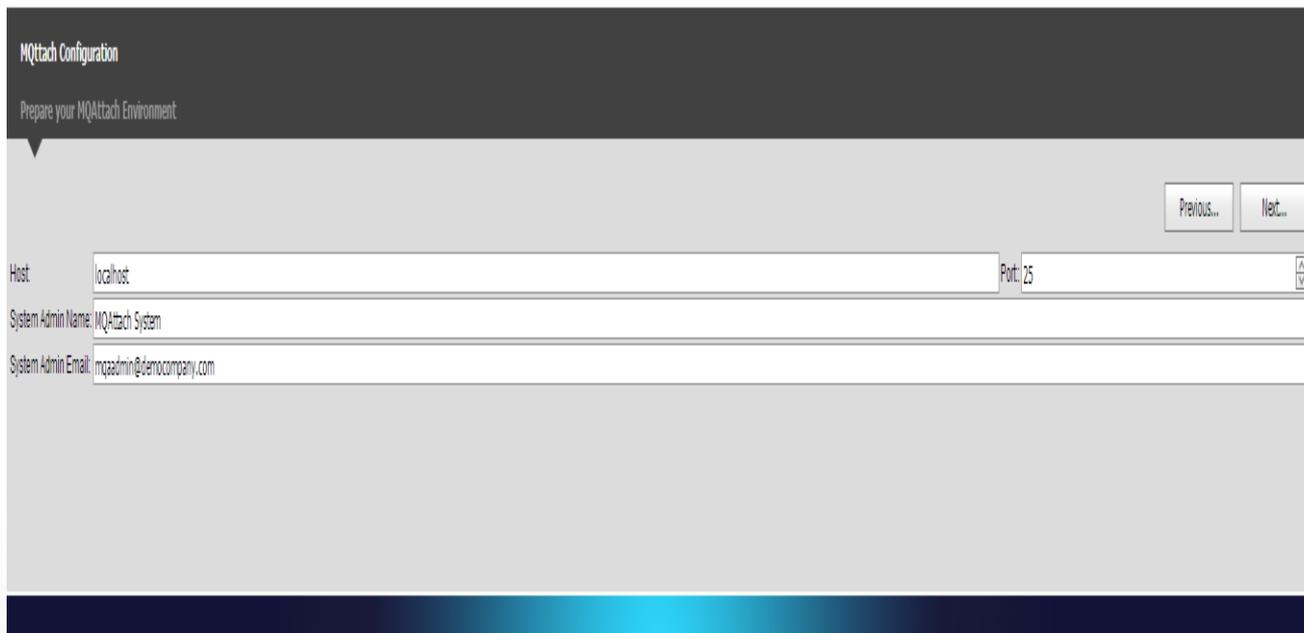


The image shows a screenshot of the MQAttach Configuration Wizard. The title bar reads "MQAttach Configuration" and the subtitle is "Prepare your MQAttach Environment". The interface includes a "Previous..." button and a "Next..." button. The configuration fields are as follows:

Host	localhost	Port:	25
System Admin Name:	MQAttach System		
System Admin Email:	mqadmin@democompany.com		

Configure Wizard – SMTP Details

Provide your SMTP Settings – This information will be used to send Email Notifications produced by MQAttach aswell as send administrative alerts to the administrator

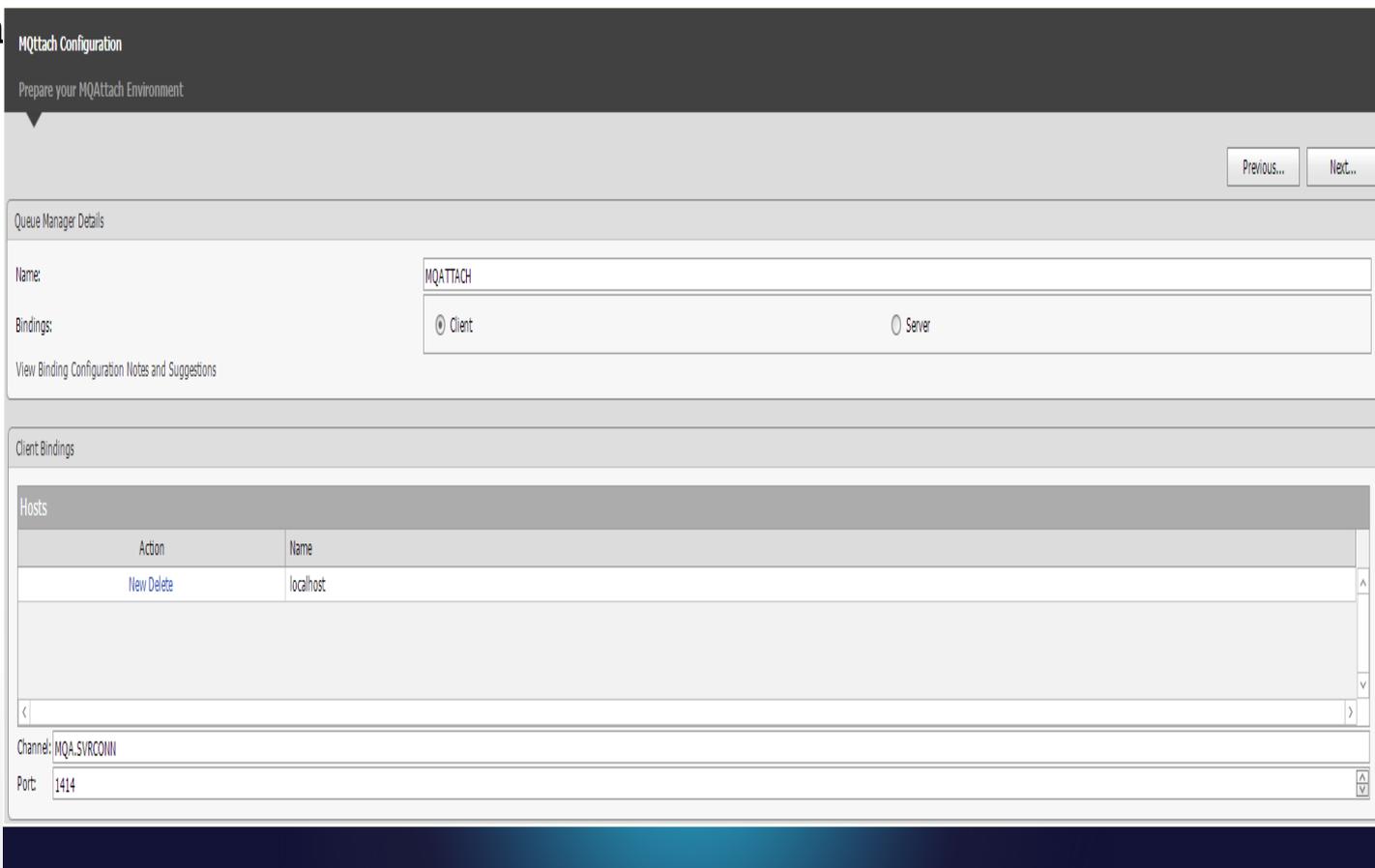


The image shows a screenshot of the MQAttach Configuration Wizard. The title bar reads "MQAttach Configuration" and the subtitle is "Prepare your MQAttach Environment". The interface includes a "Previous..." button and a "Next..." button. The configuration fields are as follows:

Host	localhost	Port:	25
System Admin Name:	MQAttach System		
System Admin Email:	mqadmin@democompany.com		

Configure Wizard – Co-ordination Queue Manager Connectivity

Provide your Queue Manager Details – This will be the queue manager that MQAttach connects to pull messages from defined queues – depending on your setup this may be a local queue manager (server bindings) or a client connected queue manager



The screenshot shows the 'MQAttach Configuration' wizard. The title bar reads 'MQAttach Configuration' and the subtitle is 'Prepare your MQAttach Environment'. There are 'Previous...' and 'Next...' buttons in the top right. The 'Queue Manager Details' section contains a 'Name' field with 'MQATTACH' and a 'Bindings' section with radio buttons for 'Client' (selected) and 'Server'. Below this is a link to 'View Binding Configuration Notes and Suggestions'. The 'Client Bindings' section features a table with columns 'Action' and 'Name', containing one row with 'New Delete' and 'localhost'. At the bottom, there are fields for 'Channel: MQA.SVRCONN' and 'Port: 1414'.

MQAttach Configuration

Prepare your MQAttach Environment

Previous... Next..

Queue Manager Details

Name: MQATTACH

Bindings: Client Server

[View Binding Configuration Notes and Suggestions](#)

Client Bindings

Action	Name
New Delete	localhost

Channel: MQA.SVRCONN

Port: 1414

Configure Wizard – MQ Object Definition Script

Run the MQ Definition script in the box against your queue manager using “runmqsc”

If your queue manager uses server bindings run the queue creation elements against the local queue manager and the subscription elements against your FTE Coordination Queue Manager

If your queue manager uses client bindings – typically run the entire script on the queue manager concerned

The screenshot shows a web-based configuration wizard titled "MQ Attach Configuration". The current step is "Prepare your MQ Attach Environment". Below this, there is a section for the "MQ Object Definition Script".

MQ Object Definition Script
In order to use MQAttach effectively on the Queue Manager specified, the following Definition Script needs to be run against the Queue Manager. Please use cut and paste it to appropriate server and execute using "runmqsc" or an equivalent.

If you are receiving a SECURITY ERROR when Testing your connection - you are most likely not use Web Server Impersonation but attempting to use MQ Server Bindings - Please alter the Web.config Impersonation Section to be a Valid OS User on this machine with MQM Privileges and Restart your Web Server refer Here for more details

Channel Build Type:

```
DEFINE QLOCAL('MQA.FTELOG') +
MAXDEPTH(500000) +
MAXMSGL(4194204) +
USAGE(NORMAL) +
DEFPRT(0) +
DEFPST(0) +
MSGDLV(SQ,PRIORITY) +
PUT(ENABLED) +
GET(ENABLED) +
HARDBO +
BOTHRESH(0) +
SHARE +
DEFSOPT(SHARED) +
RETNVL(999999999) +
NOTRIGGER +
TRIGTYPE(FIRST) +
```

Configure Wizard – Archive Settings

MQAttach will archive transactional data older than a specified number of days to an archive database to be a self maintaining system –

The archive also stores business intelligence data

So please specify the connectivity details for your archive database here

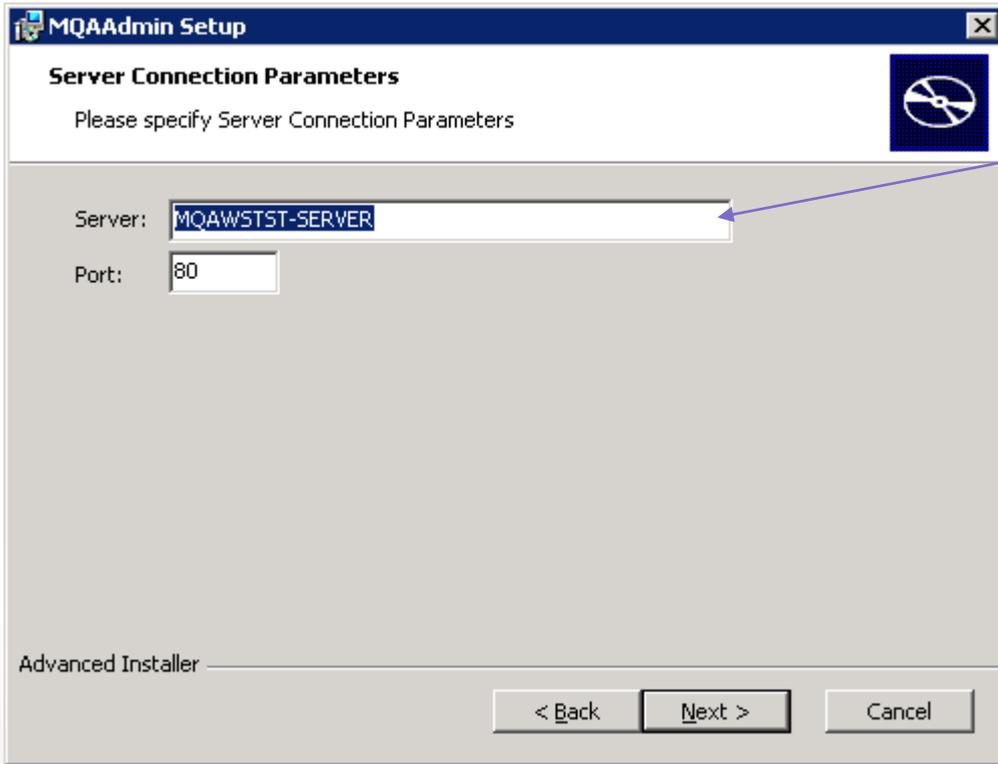
The database will be created on the host concerned dynamically through the use of ORM technology

Specify the Days that are unique to your environment based on the load you expect – This can be changed later

The screenshot shows a configuration wizard window titled "MQAttach Configuration" with the subtitle "Prepare your MQAttach Environment". In the top right corner, there are "Previous.." and "Next.." buttons. The "Archive Settings" section contains two spinners: "Days Before Archiving" set to 7 and "Days Before Deleting from Archive (0 = Never)" set to 30. The "Database Connection Settings" section includes a "Type" dropdown menu set to "Microsoft SQL", a "Database Name" text box containing "MQAttach_Archive", a "ServerInstance Name" text box containing "localhost\SQLEXPRESS", a "Connection Type" section with radio buttons for "SQL Server Authentication" (selected) and "Windows Authentication", a "Login" text box containing "sa", and a "Password" text box with masked characters (dots).

Install MQAAdmin

Install the Administration Console to configure Companies, Users, Departments



The image shows a Windows-style dialog box titled "MQAAdmin Setup". The main heading is "Server Connection Parameters" with a sub-instruction "Please specify Server Connection Parameters". There is a small icon of a hard drive in the top right corner. Below the heading, there are two input fields: "Server:" with the text "MQAWSTST-SERVER" and "Port:" with the number "80". At the bottom, there are three buttons: "< Back", "Next >", and "Cancel". The text "Advanced Installer" is visible in the bottom left corner.

Host of the IIS Web Server

Configure Companies, Departments and Users

Now you need to create Companies, Departments and Users

Refer to the following documentation

http://www.mqattach.com/download/public/docs/MQATTACH_Config.pdf

Page 1

Page 2

Page 5 – Point 6, 7

Page 6-8

Page 9 – up-to point 9 (Define Users)

Now Reboot your Server

Make the Launcher Service Started successfully

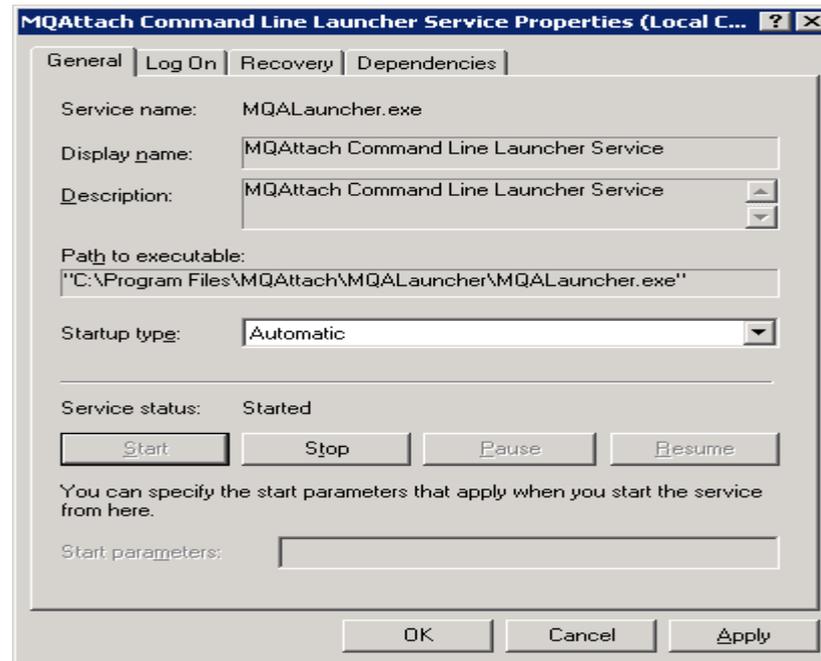
If everything has been setup correctly after Reboot – the MQAttach Command Line Launcher Service should be started correctly –

This is accessible in windows services (services.msc) and via the web interface via the Dashboard

(Dashboards – System Dashboards – MQAttach System Overview)

If the service is not started or there is a problem

Please check the window event log for errors and contact us at support@mqattach.com



Pid	Description	Start Command	Type	Status
4636	FTE Log and Transfer Listener	MQACMDL.exe -method=MTFEDBLoader -mode=start	Queue Monitor	Started
5624	FTE Agent Ping Monitor	MQACMDL.exe -method=pingFTEAgents -mode=start	Ping Monitor	Started
3868	SLA Monitor	MQACMDL.exe -method=SLAMonitor -mode=start	SLA Monitor	Started
5968	Command Server	MQACMDL.exe -method=CommandServer -mode=start -maxThreads=5	SLA Monitor	Started
3932	MQA Launcher and System Watcher	MQACMDL.exe -method=MQAWatcher -mode=start	Watcher	Started
5576	Archiver	MQACMDL.exe -method=Archive -mode=start	Archiver	Started
2032	Archive Delete Monitor	MQACMDL.exe -method=ArchiveDelete -mode=start	Archive Delete Monitor	Started

Login from Any web browser

**That's it
MQAttach should now be installed
successfully**

When you open your browser you should see the login screen after logging in you should see the FTE Overview Dashboard and data should be logging

MQATTACH
Extending managed
File transfer
To the Desktop and Beyond

Login Now

Login:
ftadmin

Password:

Company:
Demo Company

Domain:
Default

Login

FTE Overview Dashboard | Welcome to FTE Administrator | Testing

FTE Workload for Today (1 min Refresh)

Action	TransactionId	Type	Transfer Source	Transfer Destination	Files	%	Bytes Transferred	Running Time	Rate/s
1	414d51204654...	Managed Transfer	TEST_XB60.NEDI	/home/readmin/temp/414d5120465...	1/1	100	37 MB	9.85	4 MB
2	414d51204654...	Managed Transfer	TEST_XB60.NEDI	/home/readmin/temp/414d5120465...	1/1	100	37 MB	6.04	6 MB
3	414d51204654...	Managed Transfer	/home/readmin/temp/414d5120465...	/home/readmin/peps/414d512046...	1/1	100	0 bytes	0.76	0 bytes
4	414d51204654...	Managed Transfer	TEST_XB60.NEDI	/home/readmin/temp/414d5120465...	1/1	100	256 MB	63.04	4 MB
5	414d51204654...	Managed Transfer	/home/readmin/fronzos/D958.DSS...	TEST_XB60.NEDI@FTE B2E.NONP	1/1	0	87 MB	10.05	9 MB
5 Transactions					5/5		417 MB	89.74 seconds	5 MB

5 Transactions | 5/5 | 417 MB | 89.74 seconds | 5 MB

Install Exits on FTE Agents (Support Customers)

In our effort to simplify implementation of FTE within environments we wanted to give access to the power of exits provided by FTE infrastructure to our users – To that end we have been hard at work in developing a host of functionality into a new exit implementation that can be deployed across your FTE domain

These exits are massively powerful and allow you to accomplish previously complex through simple meta-data tags in your template - Tasks like Zipping and Unzipping

File management (Move, copy, delete)

Dynamic Evaluation of Javascript allowing for dynamic routing rules simplifying monitor resource templates and templates in general

Alternate Node selection based on a ping response or load balancing across FTE Agents

Database Insertion – You can specify an insert statement to run to a database of your choice at transfer points

You can have insert the contents of a transferred file into any JDBC database once the transfer is complete for example No coding involved, you simply indicate your INSERT statement, connection string and voila it gets done for you

On the fly meta-data loading through LOADPROP which can be saved on the file system or a central REST accessible Repository (such as the MQA Server or products like WebSphere Registry and repository WSRR) using the "LOADPROP" function as "Transfer Policies" which allow for Governance and Life Cycle Management

The use of these exits minimize the need to use Ant Scripts for most common functions which is where the BIG performance improvements are realized as there is no need to spin up a JVM to host the Ant Scripts. This has the added advantage of simplifying the migration from other MFT solutions

The possibilities are endless and this is only the beginning - We have provided a comprehensive manual of these exits and how they can be used in various use cases –

Read for yourself (http://www.mqattach.com/download/protected/Docs/FTE_Exits.pdf)

Use of these exits will not only simplify your transfers but make them extremely powerful and it has a huge improvement on performance as well

Please note that due to the powerful enhancement this provides and the amount of time we have invested into this, this feature is only available to our on support customers, or those potential customers seriously considering a support contract with MQAttach – If you wish to gain access to these exits – send us a mail to sales@mqattach.com or support@mqattach.com with your details and we would be happy to provide you with the download locations

For customers on support who wish to make of these exits but have no idea where to start, send us your current transfer template and we would be happy to analyse it and return an example of how our exits can help improve it where possible

MQAttach Installation Complete

Should you have any problems installing – please contact us at support@mqtach.com and we would be happy to assist

